Introduction
PIs
Issues
Data
Discussion

L&D Inspection and Emergency Repairs Workshop

Vicksburg MS

April 18 2006

Periodic Inspections

Topics

- **Periodic Inspections**
- **PI Issues**
- **Data Management**

Introduction
PIs
Issues
Data
Discussion

The Periodic Inspection

Introduction
PIs
Issues
Data
Discussion

Other Inspections

Condition Index

Periodic Inspections

Introduction

PIs

Issues

Data

Discussion

ISSUES

- **Safety**
- **Function**
- **Technical Expertise**
- **Reporting/Documentation**

Periodic Inspections

Reports/Documentation

- **Instrumentation**
- **Soundings**
- **Other Inspections**
- **PI Report**

Introduction
PIs
Issues
Data
Discussion

Report Purpose

- **Record of Inspection**
- **Historical Document**
- **Decision Document**

Periodic Inspections

Data Management

- **Inspection reports**
- **Design data**
- **Evaluations**
- **Construction documents**
- **Test reports**
- **Foundation data**
- **O&M manual**
- **EAPs**

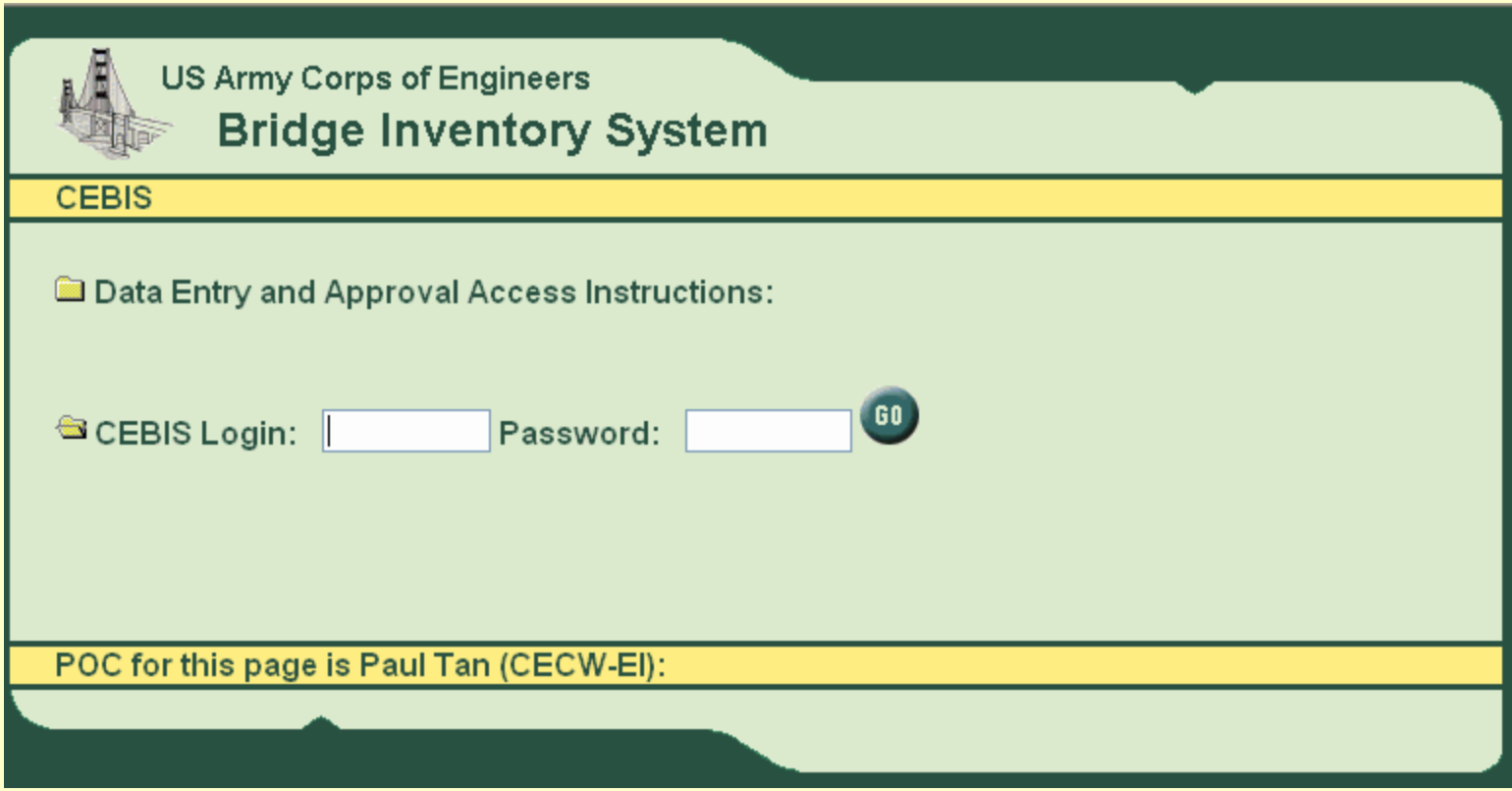
Introduction
PIs
Issues
Data
Discussion

Data Management

- Database System
- Standardized
- Accessible
- Regionalization
- Web Based

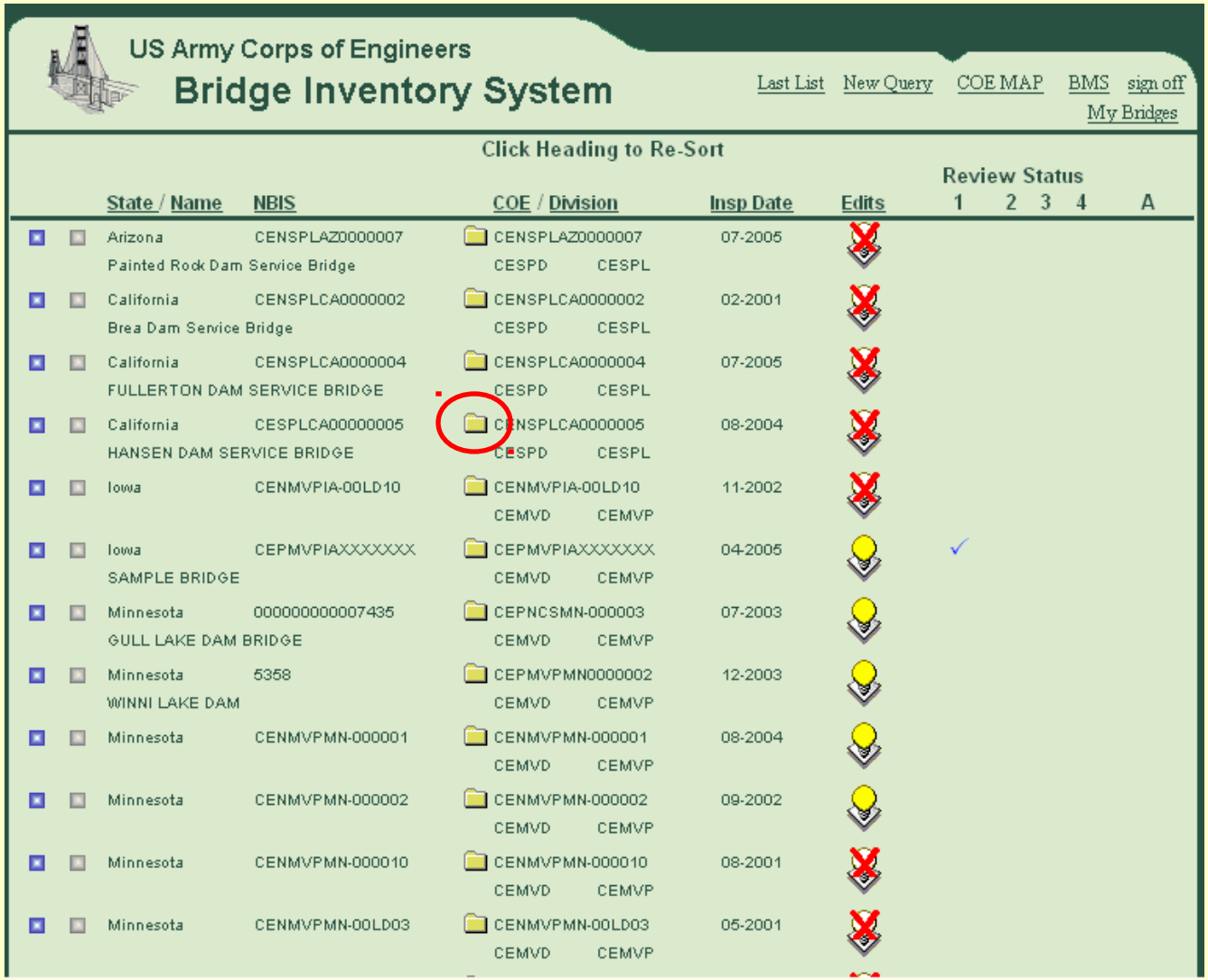
Periodic Inspections

- Introduction
- PIs
- Issues
- Data
- Discussion



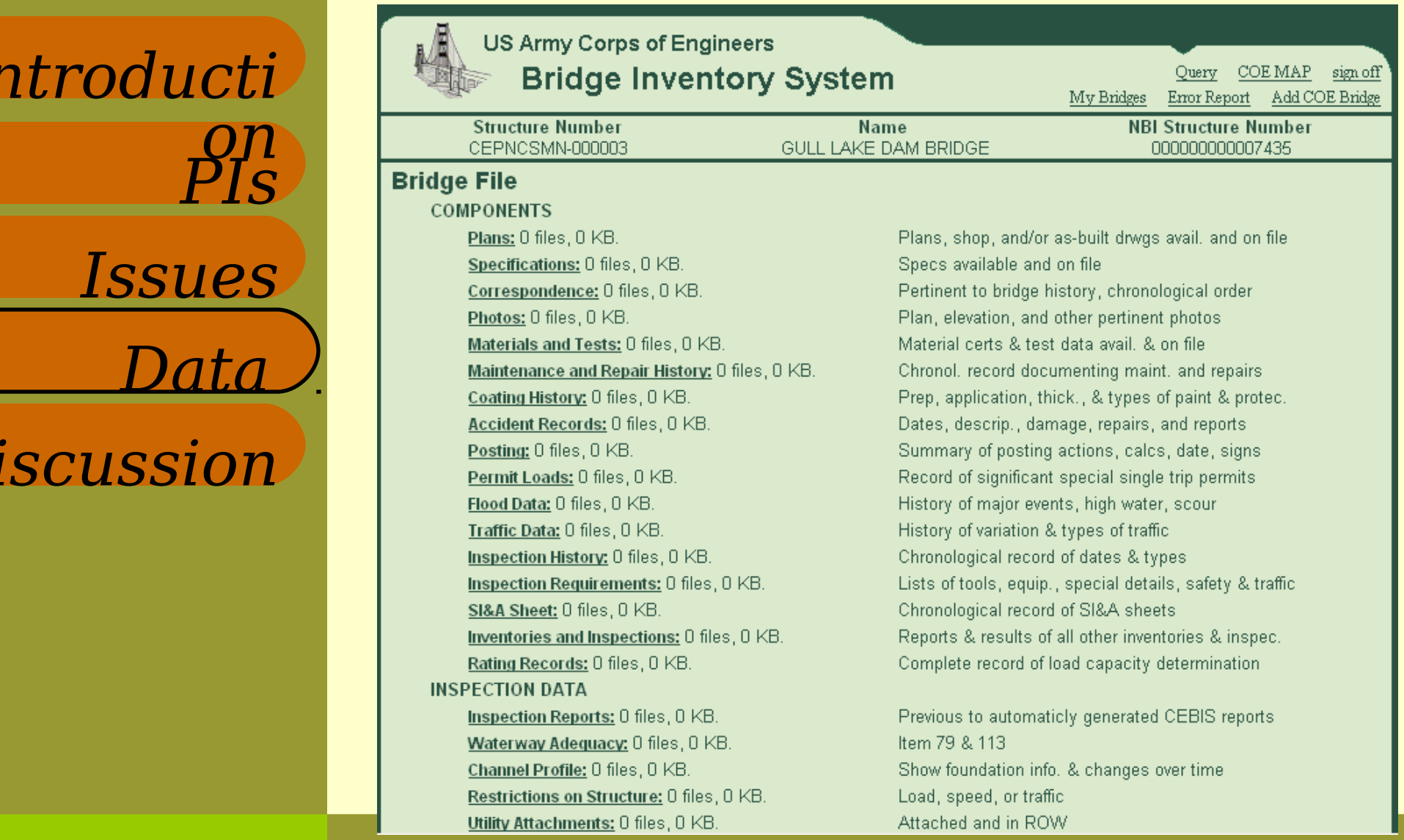
Periodic Inspections

- Introduction
- PIs
- Issues
- Data
- Discussion



Periodic Inspections

- Introduction
- PIs
- Issues
- Data
- Discussion



US Army Corps of Engineers

Bridge Inventory System

Query | COE MAP | sign off

My Bridges | Error Report | Add COE Bridge

Structure Number	Name	NBI Structure Number
CEPNCSMN-000003	GULL LAKE DAM BRIDGE	000000000007435

Bridge File

COMPONENTS

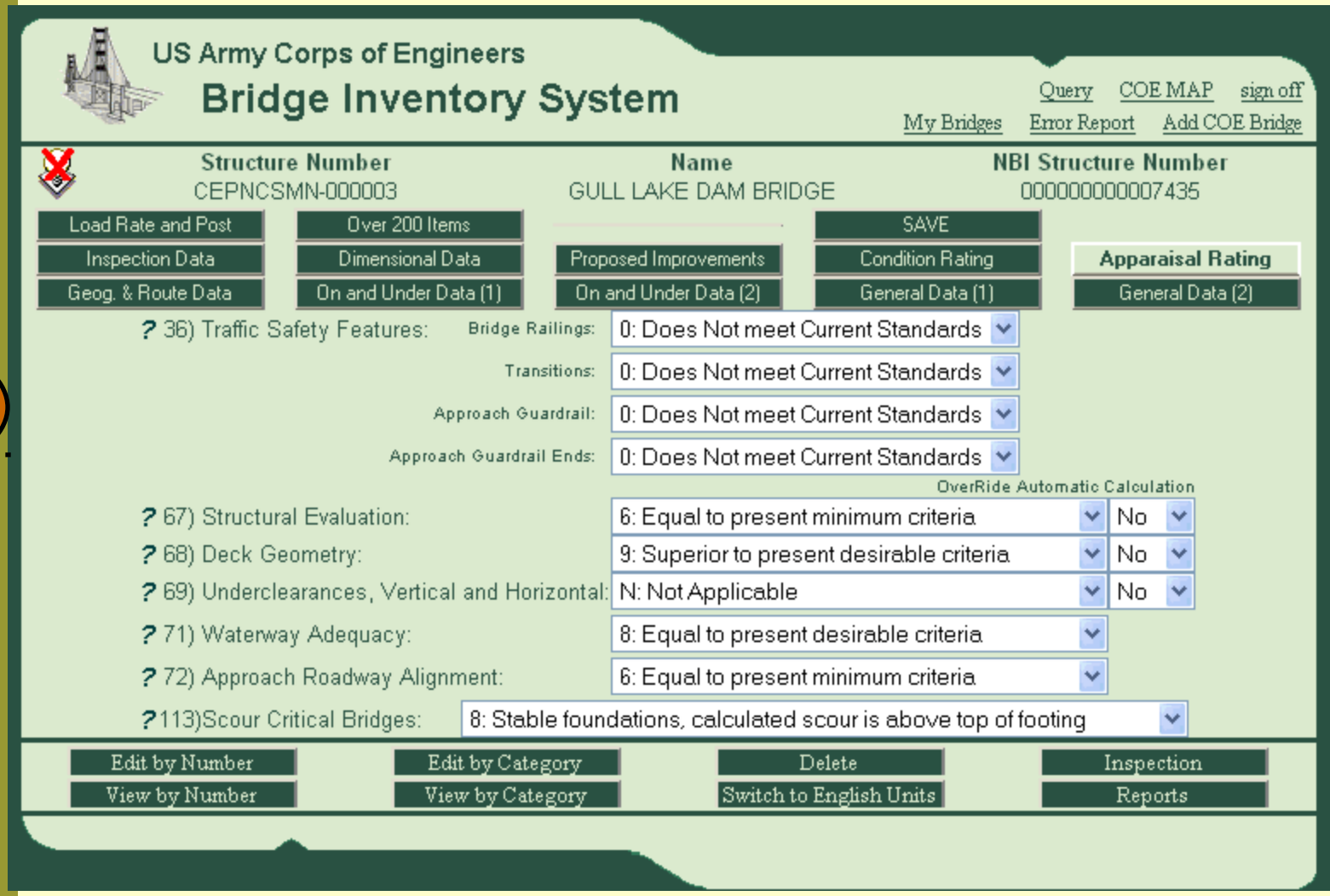
Plans: 0 files, 0 KB.	Plans, shop, and/or as-built drwgs avail. and on file
Specifications: 0 files, 0 KB.	Specs available and on file
Correspondence: 0 files, 0 KB.	Pertinent to bridge history, chronological order
Photos: 0 files, 0 KB.	Plan, elevation, and other pertinent photos
Materials and Tests: 0 files, 0 KB.	Material certs & test data avail. & on file
Maintenance and Repair History: 0 files, 0 KB.	Chronol. record documenting maint. and repairs
Coating History: 0 files, 0 KB.	Prep, application, thick., & types of paint & protec.
Accident Records: 0 files, 0 KB.	Dates, descrip., damage, repairs, and reports
Posting: 0 files, 0 KB.	Summary of posting actions, calcs, date, signs
Permit Loads: 0 files, 0 KB.	Record of significant special single trip permits
Flood Data: 0 files, 0 KB.	History of major events, high water, scour
Traffic Data: 0 files, 0 KB.	History of variation & types of traffic
Inspection History: 0 files, 0 KB.	Chronological record of dates & types
Inspection Requirements: 0 files, 0 KB.	Lists of tools, equip., special details, safety & traffic
SI&A Sheet: 0 files, 0 KB.	Chronological record of SI&A sheets
Inventories and Inspections: 0 files, 0 KB.	Reports & results of all other inventories & inspec.
Rating Records: 0 files, 0 KB.	Complete record of load capacity determination

INSPECTION DATA

Inspection Reports: 0 files, 0 KB.	Previous to automaticly generated CEBIS reports
Waterway Adequacy: 0 files, 0 KB.	Item 79 & 113
Channel Profile: 0 files, 0 KB.	Show foundation info. & changes over time
Restrictions on Structure: 0 files, 0 KB.	Load, speed, or traffic
Utility Attachments: 0 files, 0 KB.	Attached and in ROW

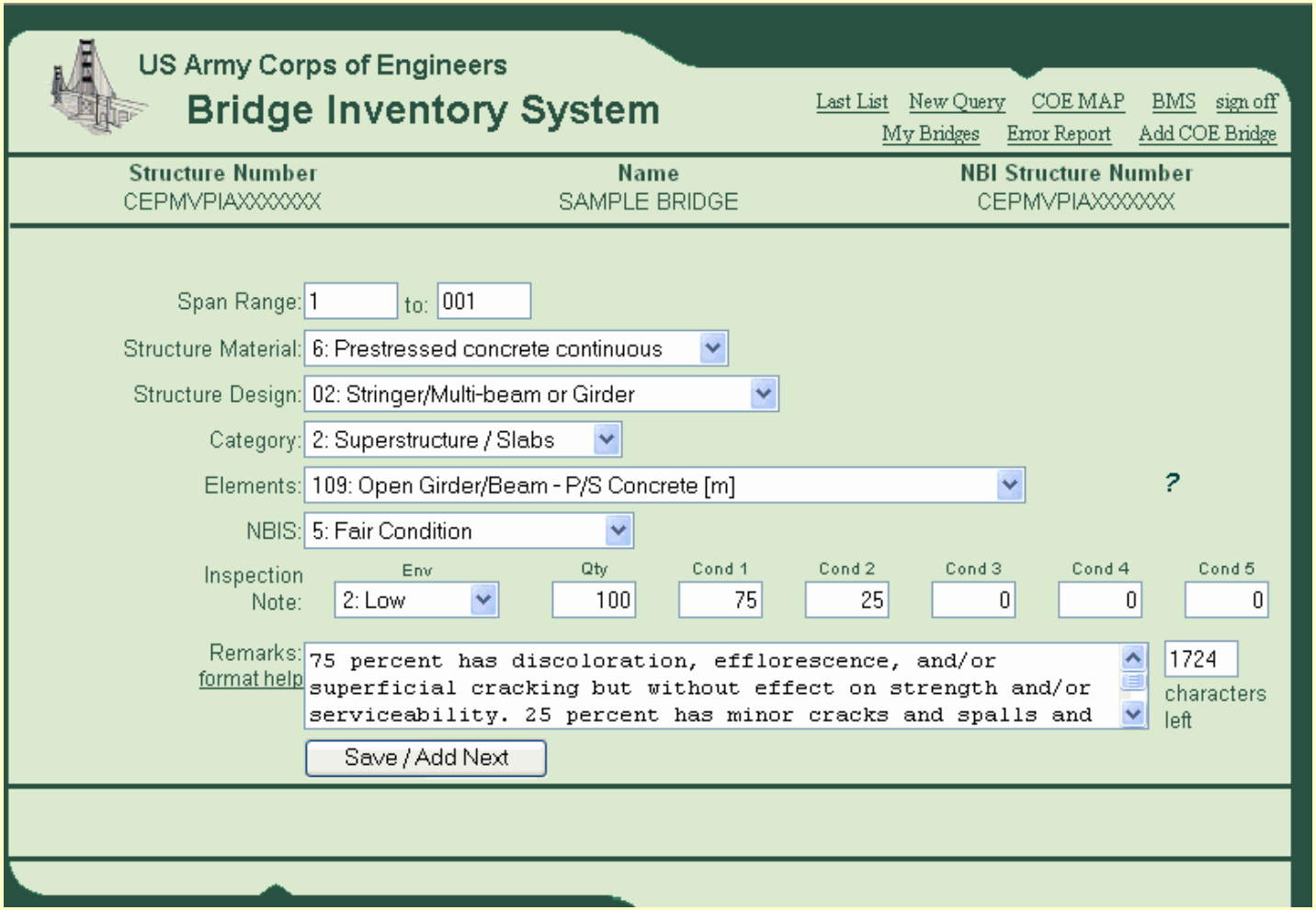
Periodic Inspections

- Introduction
- PIs
- Issues
- Data
- Discussion



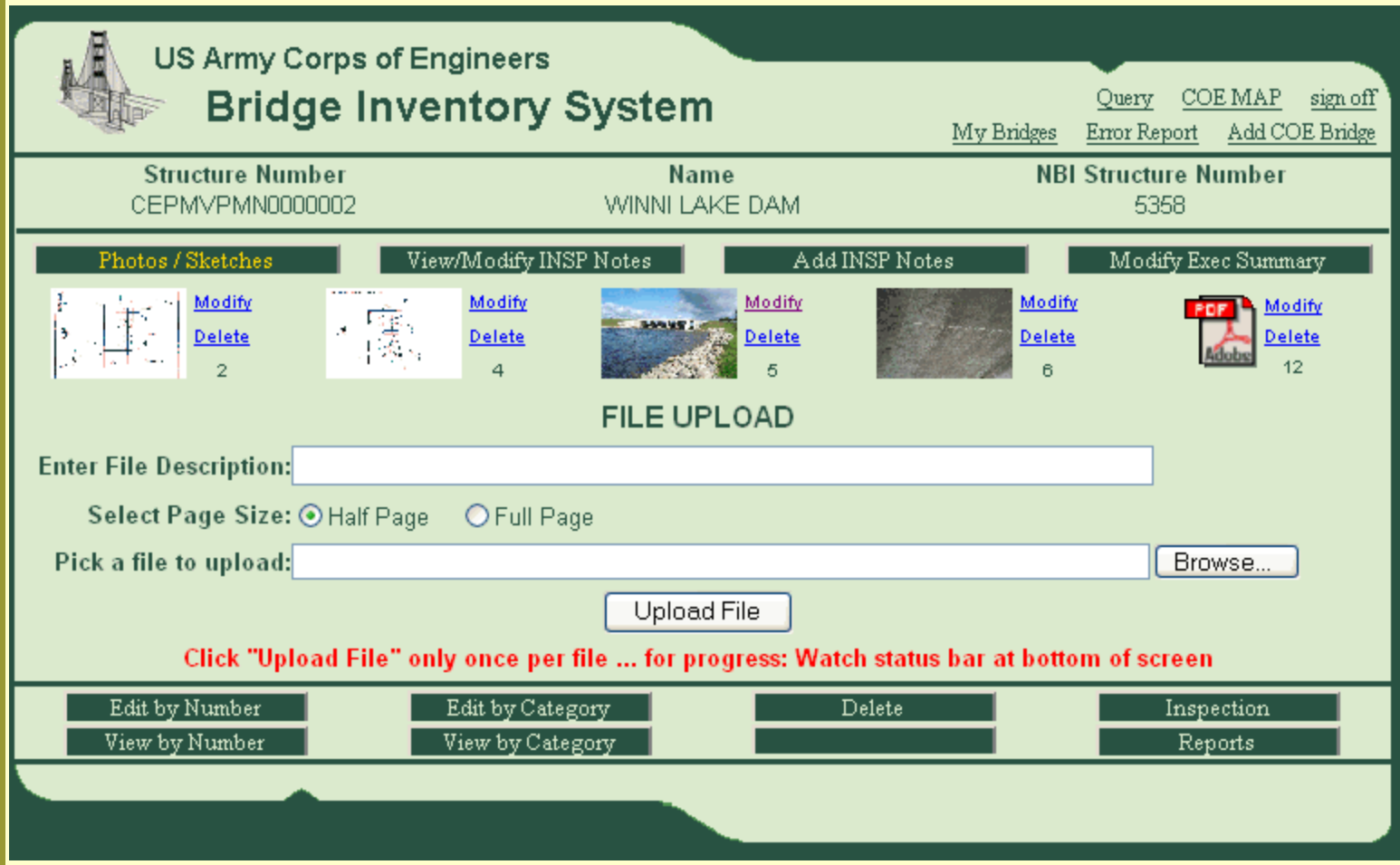
Periodic Inspections

- Introduction
- PIs
- Issues
- Data
- Discussion



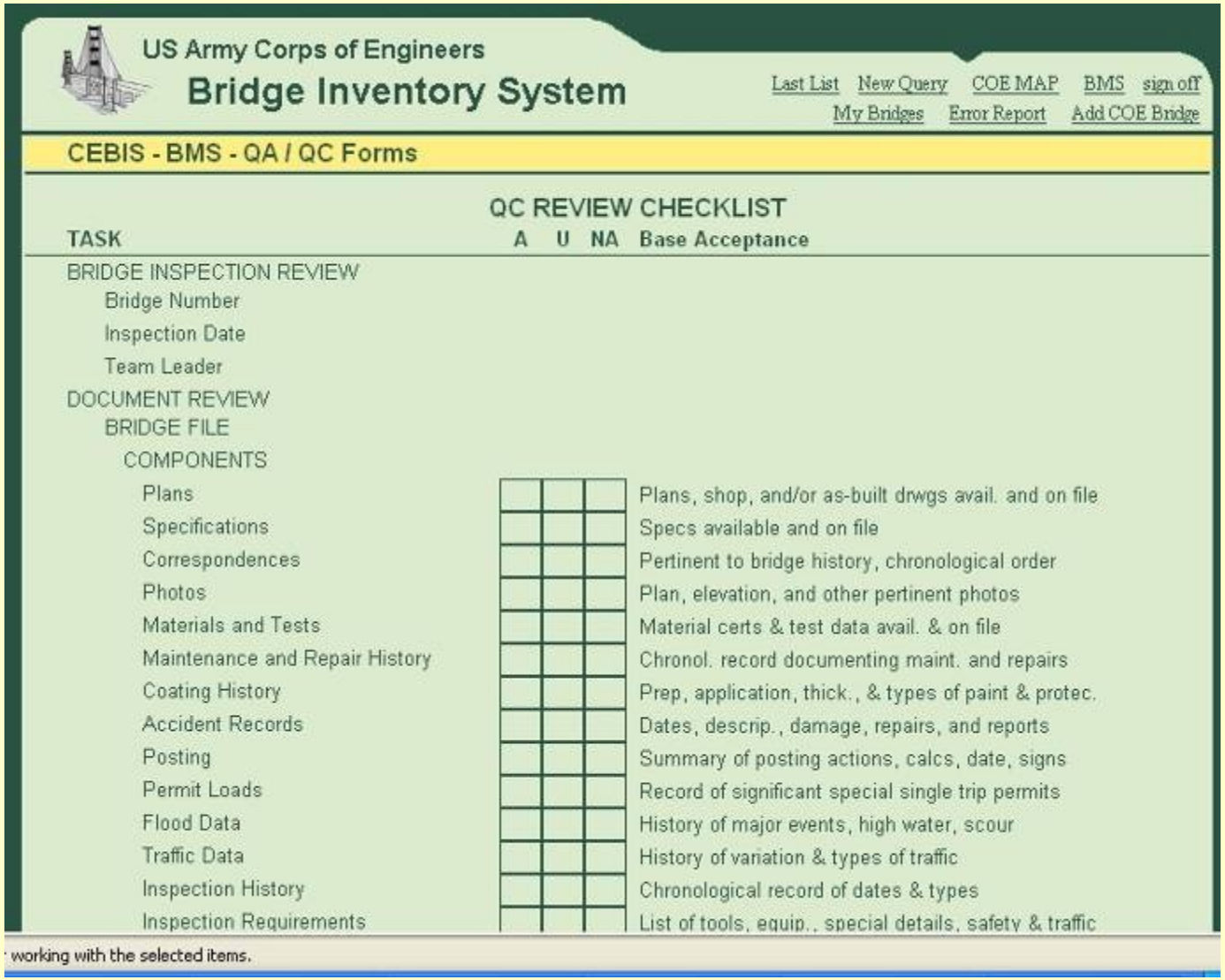
Periodic Inspections

- Introduction
- PIs
- Issues
- Data
- Discussion



Periodic Inspections

- Introduction
- PIs
- Issues
- Data
- Discussion



US Army Corps of Engineers
Bridge Inventory System

Last List | New Query | COE MAP | BMS | sign off
My Bridges | Error Report | Add COE Bridge

CEBIS - BMS - QA / QC Forms

QC REVIEW CHECKLIST

TASK	A	U	NA	Base Acceptance
BRIDGE INSPECTION REVIEW				
Bridge Number				
Inspection Date				
Team Leader				
DOCUMENT REVIEW				
BRIDGE FILE				
COMPONENTS				
Plans				Plans, shop, and/or as-built drwgs avail. and on file
Specifications				Specs available and on file
Correspondences				Pertinent to bridge history, chronological order
Photos				Plan, elevation, and other pertinent photos
Materials and Tests				Material certs & test data avail. & on file
Maintenance and Repair History				Chronol. record documenting maint. and repairs
Coating History				Prep, application, thick., & types of paint & protec.
Accident Records				Dates, descrip., damage, repairs, and reports
Posting				Summary of posting actions, calcs, date, signs
Permit Loads				Record of significant special single trip permits
Flood Data				History of major events, high water, scour
Traffic Data				History of variation & types of traffic
Inspection History				Chronological record of dates & types
Inspection Requirements				List of tools, equip., special details, safety & traffic

working with the selected items.

Periodic Inspections

- Introduction
- PIs
- Issues
- Data
- Discussion

US Army Corps of Engineers

Bridge Inventory System

Query | COE MAP | sign off

Structure Number	Name	NBI Structure Number
CEPNCSMN-000002	Winni Lake Dam	CEPNCSMN-000002

SI&A by category | SI&A by number | Inspection Notes | Exec Summary | Inspection Report | Approval Status

Phil Sauser Bridge Inspection Team Leader		09-NOV-2004 (Date)
Phil Sauser Technical Review Team Leader		09-NOV-2004 (Date)
Phil Sauser Chief, Engineering Division		09-NOV-2004 (Date)
Phil Sauser MSC / Division		09-NOV-2004 (Date)

View Comments

View by Number | View by Category | Switch to English Units | Reports

Introduction
PIs
Issues
Data
Discussion

Inspection Report

- Introduction
- PIs
- Issues
- Data
- Discussion